Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

R09: Uterine Content Summary
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 10/19/2020
Time Report Requested: 08:37:59
Lab: RTI

Study Number:	MOG08002B
Study Gender:	Both
PWG Approval Date:	See web page for date of PWG Approval
Version:	v1.0.7

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F1 Females: Prenatal Females

	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Pregnancy Summary				
Paired Females	21	21	22	19
Mated Females	17 **	20	19	0 **
Pregnant Females	17	20	18	0
Pregnant Females Examined on GD 21	16	20	15	0
Pre-implantation Loss				
Corpora lutea per Female	15.82 ± 0.44 (17) **	14.20 ± 0.47 (20) **	11.89 ± 0.52 (18) **	NR
Implantations per Female	15.00 ± 0.37 (16) **	13.85 ± 0.39 (20) *	8.73 ± 0.69 (15) **	NR
Percent Pre-Implantation Loss	5.40 ± 2.06 (16) **	3.77 ± 1.47 (20)	24.44 ± 4.97 (15) **	NR
Intra-uterine Deaths				
Number of Early Resorptions	6	12	28	NR
Early Resorptions per Litter	0.38 ± 0.26 (16) *	0.60 ± 0.31 (20)	1.87 ± 0.62 (15) *	NR
Number of Late Resorptions	0	0	0	NR
Late Resorptions per Litter	0.00 ± 0.00 (16)	0.00 ± 0.00 (20)	0.00 ± 0.00 (15)	NR
Total Resorptions per Litter	0.38 ± 0.26 (16) *	0.60 ± 0.31 (20)	1.87 ± 0.62 (15) *	NR
Whole Litter Resorptions	0	0	1	NR
Number of Dead Fetuses	0	0	1	NR
Dead Fetuses per Litter	0.00 ± 0.00 (16)	0.00 ± 0.00 (20)	0.07 ± 0.07 (15)	NR
Percent Post-Implantation Loss	2.26 ± 1.52 (16) **	4.51 ± 2.26 (20)	25.87 ± 8.78 (15) *	NR
Live Fetuses				
Number of Live Fetuses	234	265	102	NR
Live Fetuses per Litter	14.63 ± 0.34 (16)	13.25 ± 0.52 (20)	7.29 ± 1.06 (14) **	NR
Live Male Fetuses per Litter	7.81 ± 0.44 (16)	7.35 ± 0.47 (20)	3.92 ± 0.73 (13) **	NR
Live Female Fetuses per Litter	6.81 ± 0.21 (16)	5.90 ± 0.34 (20)	3.64 ± 0.61 (14) **	NR
Percent Live Male Fetuses per Litter	52.95 ± 1.94 (16)	54.93 ± 2.62 (20)	44.88 ± 6.42 (14)	NR

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	Treatment Groups (ppm)			
	0	**338**	**1125**	**3750**
Fetal Weight				
Fetal Weight per Litter (g)	5.09 ± 0.07 (16) **	4.98 ± 0.06 (19)	3.81 ± 0.35 (14) **	NR
Male Fetal Weight per Litter (g)	5.20 ± 0.08 (16) **	5.09 ± 0.07 (19)	3.96 ± 0.38 (13) **	NR
Female Fetal Weight per Litter (g)	4.96 ± 0.06 (16) **	4.83 ± 0.06 (19)	3.80 ± 0.34 (14) **	NR
Gravid Uterus Weight				
Gravid Uterus Weight (g)	104.01 ± 2.97 (16) **	90.93 ± 3.70 (20)	45.73 ± 8.01 (15) **	NR
Terminal Body Weight (g)	415.7 ± 4.9 (16) **	373.8 ± 6.5 (20) **	295.3 ± 9.1 (15) **	NR
Adjusted Body Weight (g)	311.74 ± 3.31 (16) **	282.82 ± 4.41 (20) **	249.53 ± 5.28 (15) **	NR

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LEGEND

Values are reported per litter as mean ± SEM (N)

Calculated values do not include non-pregnant animals, those that did not survive to terminal sacrifice, or those that delivered prior to c-section being performed.

Fetal weight endpoints and percent live male fetuses endpoints are the mean values of the litter means.

Dams that had whole litter resorptions are not included in the litter analysis.

Unsexed fetuses were included for litter size calculations but were excluded from fetal weight calculations and from the percent male calculation.

Dams where the number of implants was greater than the number of corpora lutea were assigned a percent pre-implantation loss of 0.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at P <= 0.05

** Statistically significant at P <= 0.01

Statistical analysis for Pregnancy Summary endpoints was performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests.

Statistical analysis for Pre-implantation Loss and Live Fetuses endpoints was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Whole litter resorptions analyzed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests. All "per litter" and pre-implantation loss endpoints analyzed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical analysis for the Fetal Weight and Gravid Uterus Weight endpoints was performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

All Cochran-Arnitage (trend) and Fisher Exact (pairwise) are reported as two-sided tests.

Typically, fetal weights decrease with increasing litter size and litter size-adjusted fetal weights are reported. Because a positive trend in fetal weights with litter size was seen in all dose groups, only unadjusted fetal weights are presented here.

One litter in the 338 ppm dose group was excluded from Fetal Weight analysis as an outlier.

NR not recorded

** END OF REPORT **